Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/28/2018 10:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125796	0	1.88	125911	1.86
Blue	F	SSC	125000	124635	-1	3.41	125576	3.39
Blue	E	FITC	15492	15163	-3	3.58	354	22.27
Blue	D	PE	28736	28098	-3	2.84	621	16.67
Blue	B	PerCP-Cy5-5	41413	41082	-1	4.58	1123	23.07
Blue	A	PE-Cy7	31321	31125	-1	7.03	566	48.49
Red	C	APC	41673	41207	-2	2.92	1594	13.29
Red	A	APC-Cy7	29962	29777	-1	2.78	745	13.85
Violet	B	V450	8318	7923	-5	4.66	436	15.17
Violet	A	V500	34199	33687	-2	4.40	810	11.64

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20558	4.22	610	-3	N/A	N/A	Pass
Blue	F	SSC	56331	2.84	576	8	N/A	N/A	Pass
Blue	E	FITC	59	76.03	559	-2	0.0154	207	Pass
Blue	D	PE	121	61.16	558	-2	0.1321	336	Pass
Blue	B	PerCP-Cy5-5	206	56.69	665	-2	0.0073	62	Pass
Blue	A	PE-Cy7	110	119.83	720	-2	0.0087	22	Pass
Red	C	APC	365	28.76	601	0	0.0196	162	Pass
Red	A	APC-Cy7	183	31.63	577	1	0.0048	1181	Pass
Violet	B	V450	64	74.13	476	-1	0.0416	2474	Pass
Violet	A	V500	115	40.30	495	1	0.0183	1062	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.24	-31.89	1.12
Blue	20.34	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.52
Red	17.02	13.60 - 20.40	N/A	N/A	29.15	29.53	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10022

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments